Alekha Rao

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Professional Summary

Detail-oriented and driven multitasker with a strong work ethic and exceptional teamwork and organizational skills. A natural problem-solver with the ability to connect with individuals from diverse backgrounds and age groups. Proven ability to enhance productivity and performance through meticulous and conscientious approaches. Currently seeking to leverage technical expertise and analytical skills in a software engineering role, with a passion for developing innovative solutions and contributing to cutting-edge technology.

Education

Tufts University   Medford, MA. USA
Bachelors of Science in Engineering: Computer Science   2026
GPA: 3.78

Relevant Coursework: Machine Structures and Assembly Language Programming, Data Structures, Computer Science in C++, Web Programming, Linear Algebra, Multivariable Calculus

Cate High School   Carpinteria, CA. USA
GPA: 4.36   2022
Cum Laude Graduate
Relevant Coursework: Computer and Data Science in Javascript

Experience

Artificial Intelligence Engineering Intern   Bangalore, INDIA
BLP Industry.AI   06/2024 - 08/2024

• Worked for an Industrial AI company that is building AI-powered solutions to meet challenges in the manufacturing industry

• Used OpenCV and Yolo Object Detection to build a Python Computer Vision solution for improving workplace safety.

• Utilized Image Annotation Tools such as Labelimg and Labelme to build a dataset of images to train the Computer Vision Model.

• Developed a better understanding of ML technologies, including Artificial Neural Networks, Convolutional Neural Networks, and Reinforcement Learning

Technology Consulting Intern   Singapore, Singapore
Ernst & Young   06/2023 - 08/2023

• Completed website revamp utilizing newly acquired skills such as UX research and Search Engine Optimization.

• Helped build and govern an AI HR chatbot using Generative AI and Machine Learning tactics on the Data & Analytics team

• Participated in client meetings, contributing valuable insights and helping build strong relationships with key partners such as the Infocomm Media Development Authority of Singapore

Deep Technology Research Intern   Singapore, Singapore
Elev8.vc   06/2021 - 07/2021

• Worked for a B2B focused VC fund which invests in early-stage deep technology founders.

• Performed market research to help identify investment trends and opportunities within the market of mobility

• Researched the Mobility landscape in Singapore and explored technology behind autonomous vehicles

Skills

TECHNICAL SKILLS

• Proficiency in C, C++, and Javascript
• Python (NumPy, Pandas, Matplotlib, Seaborn)
• Front End Programming (HTML, CSS, jQuery, AJAX)
• Back End Programming (PHP, Node.js)
• SQL/NoSQL (MySQL, SQLite, MongoDB)
• REST APIs
• Web Development using Flask/Django
• Deployment using Heroku
• Git

OTHER SKILLS

• Microsoft Office (Word, Excel, Powerpoint)
• Search Engine Optimization
• UI/UX Research
• Time Management
• Creative Problem Solving
• Fluent in Mandarin